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Plant Variety Protection Office Official Journal



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PREFACE

THE PLANT VARIETY PROTECTION ACT (7 U.S.C. 2321 ET SEQ.) AUTHORIZES THE SECRETARY OF AGRICULTURE TO PUBLISH AN OFFICIAL JOURNAL TO PROVIDE THE PUBLIC WITH INFORMATION RELATING TO THE OPERATIONS OF THE PLANT VARIETY PROTECTION OFFICE. THE STATUTE ALSO AUTHORIZES THE SECRETARY TO DISSEMINATE TECHNOLOGICAL AND OTHER INFORMATION THAT ENCOURAGES INNOVATION AND PROGRESS IN PLANT BREEDING.

THE OFFICIAL JOURNAL, PUBLISHED QUARTERLY, IS AVAILABLE FROM:

PLANT VARIETY PROTECTION OFFICE
LIVESTOCK, POULTRY, GRAIN & SEED DIV., AMS
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CONTENTS

	PAGE
APPLICATIONS RECEIVED	3
APPLICATIONS AMENDED	5
APPLICATIONS ABANDONED, ETC.	6
CERTIFICATES AMENDED	7
CERTIFICATES ISSUED	9
GENERAL INFORMATION	20

April 1982

APPLICATIONS RECEIVED
JANUARY 1, 1982 TO MARCH 31, 1982

APPLICATIONS FOR PROTECTION HAVE BEEN FILED FOR THE FOLLOWING VARIETIES. EACH APPLICATION HAS BEEN ASSIGNED AN APPLICATION NUMBER AND WILL BE EXAMINED TO DETERMINE WHETHER THE VARIETY IS ENTITLED TO A CERTIFICATE OF PROTECTION. SEED OF THESE VARIETIES MAY BE LABELED "UNAUTHORIZED PROPAGATION PROHIBITED - U.S. VARIETY PROTECTION APPLIED FOR."

KIND	APPL. NO.	VARIETY	APPL. DATE	NAME OF APPLICANT	
BEAN, GARDEN	8200066	ZIRCON	820210	ROGERS BROTHERS SEED CO.	(2)
BEEF, GARDEN	8200060	RED BARON	820125	FERRY-MORSE SEED CO.	
BENTGRASS, COLONIAL	8200081	DUCHESS	820305	GERMAL HOLDINGS LTD., U.K.	
CALENDULA	8200083	ORANGE GITANA	820315	ROYAL SLUIS, NETH.	
CAULIFLOWER	8200085	WHITE ROCK	820322	SLUIS & GROOT B.V., NETH.	
CORN, FIELD	8200062	LH 51	820120	HOLDEN'S FOUNDATION SEEDS, INC.	
	8200063	LH 74	820120	HOLDEN'S FOUNDATION SEEDS, INC.	
	8200064	LH 119	820120	HOLDEN'S FOUNDATION SEEDS, INC.	
CORN, POP	* 8200076	BIG RED	820304	FRANK HOLLAND	(2)
COTTON	8200067	DELTAPINE SR-482	820211	DELTA AND PINE LAND CO.	
	* 8200071	COKER 4360	820222	COKER'S PEDIGREE SEED CO.	(3)
EGGPLANT	8200068	LITTLE FINGERS	820216	JOSEPH HARRIS CO., INC.	
FESCUE, CHEWINGS	8200080	COUNTRESS	820305	GERMAL HOLDINGS LTD., U.K.	
FESCUE, RED	8200079	LOGRO	820305	GERMAL HOLDINGS LTD., U.K.	
MARIGOLD	8200082	CALANDO DEEP ORANGE	820315	ROYAL SLUIS, NETH.	
	8200084	CALANDO LEMON YELLOW	820315	ROYAL SLUIS, NETH.	
OAT	* 8200078	SOUTHERN STATES 76-30	820309	COKER'S PEDIGREE SEED CO.	(3)
PEA, GARDEN	8200069	NOVELLA II	820217	ROGERS BROTHERS SEED CO.	
SOYBEAN	* 8200056	BELLATTI-R-77-84	820118	LOUIS BELLATTI	(3)
	8200057	VR 3393	820120	V. R. SEEDS, INC.	
	8200072	AP 230	820225	NORTH AMERICAN PLANT BREEDERS	
	8200073	AP 4800	820225	NORTH AMERICAN PLANT BREEDERS	
	8200087	A7372	820329	ASGROW SEED CO.	

*TO BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED

< > IDENTIFIES TEMPORARY DESIGNATIONS

() NO. OF GENERATIONS OF CERTIFIED SEED PERMITTED BEYOND BREEDER'S SEED

APPLICATIONS RECEIVED (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	APPL. DATE	NAME OF APPLICANT
SQUASH	8200074	CONFEDERATE GOLD	820301	FERRY-MORSE SEED CO.
STEVIA	8200065	P. J. SUZUKI	820202	F. K. SUZUKI INTERNATIONAL, INC.
TOMATO	8200058	PEELMECH	820125	FERRY-MORSE SEED CO.
	8200059	VF 9209	820125	FERRY-MORSE SEED CO.
	8200070	NC 50-7	820218	NORTH CAROLINA AGRIC. RES. SERVICE
WATERMELON	8200075	CHEROKEE	820302	NORTH CAROLINA AGRIC. RES. SERVICE
	8200061	<NCX 1558>	820125	MORAN SEEDS, INC.
	8200077	CRIMSON DIAMOND	820309	COFFEY SEED CO.
WHEAT, COMMON	* 8200053	WESTBRED 911	820111	WESTERN PLANT BREEDERS
	8200054	2550	820118	PIONEER HI-BRED INTERNATIONAL, INC.
	8200055	2553	820118	PIONEER HI-BRED INTERNATIONAL, INC.
	* 8200066	2369	820322	PIONEER HI-BRED INTERNATIONAL, INC.
WHEAT, DURUM	* 8200052	WESTBRED 881	820111	WESTERN PLANT BREEDERS

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APPLICATIONS AMENDED
JANUARY 1, 1982 TO MARCH 31, 1982

INFORMATION CONCERNING THE VARIETIES LISTED BELOW HAS BEEN PUBLISHED PREVIOUSLY IN THE OFFICIAL JOURNAL'S LIST OF "APPLICATIONS RECEIVED". DURING THE EXAMINATION PROCESS, THE APPLICANT REQUESTED THIS INFORMATION TO BE AMENDED AS INDICATED BELOW.

KIND	APPL. NO.	VARIETY	APPL. DATE	NAME OF APPLICANT
BEAN, GARDEN	8100101	FLAVEOL	910423	ROYAL SLUIS, NETH.
		VARIETY WITH TEMPORARY DESIGNATION OF 77RS1703 NAMED 'FLAVEOL'.		
CAULIFLOWER	8100087	MADON	810402	ROYAL SLUIS, NETH.
		VARIETY WITH TEMPORARY DESIGNATION OF TWIST NAMED 'MADON'.		
PEA, GARDEN	8200011	KRILLA	811026	ASGROW SEED CO.
		VARIETY WITH TEMPORARY DESIGNATION OF XP-C113 NAMED 'KRILLA'		
	8200012	TROLLY	811026	ASGROW SEED CO.
		VARIETY WITH TEMPORARY DESIGNATION OF XP-C114 NAMED 'TROLLY'		
	8200013	BONNAIRE	811026	ASGROW SEED CO.
		VARIETY WITH TEMPORARY DESIGNATION OF XP-C115 NAMED 'BONNAIRE'.		

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< > INDICATES TEMPORARY DESIGNATIONS
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APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
JANUARY 1, 1982 TO MARCH 31, 1982

APPLICATIONS FOR THE VARIETIES LISTED BELOW ARE NO LONGER BEING CONSIDERED FOR U.S. PLANT VARIETY PROTECTION, PROPAGATION OF THESE VARIETIES IS NO LONGER PROHIBITED BY THE U.S. PLANT VARIETY PROTECTION ACT. VARIETIES PUBLISHED IN THIS LIST MAY POSSIBLY BE PROTECTED UNDER THE PATENT ACT.

KIND	APPL. NO.	VARIETY
BLUEGRASS, KENTUCKY	8100127	CARDINAL
CAULIFLOWER	8000005	ALLWHITE
RICE	8100093	CALIFORNIA BELLE
SOYBEAN	7900093	MCNAIR 700
	8000057	RA-603

< > IDENTIFIES TEMPORARY DESIGNATIONS

CERTIFICATES AMENDED
JANUARY 1, 1982 TO MARCH 31, 1982

THE FOLLOWING CERTIFICATES HAVE BEEN AMENDED IN ACCORDANCE WITH SECTIONS 180.103, 180.122, AND 180.130 OF THE REGULATIONS AND RULES OF PRACTICE UNDER THE PLANT VARIETY PROTECTION ACT.

KIND	CERT. NO.	VARIETY	ISSUE DATE	NAME OF OWNER	
COTTON	* 7100051	BLANCO 3363	740930	AGRIGENETICS CORPORATION	(3)
		NAME OF OWNER CHANGED FROM TEXAS BANK FOR COOPERATIVES TO AGRIGENETICS CORPORATION.			
	* 7400088	STRIPPER 31A	751124	AGRIGENETICS CORPORATION	(3)
		NAME OF OWNER CHANGED FROM TEXAS BANK FOR COOPERATIVES TO AGRIGENETICS CORPORATION.			
	* 7400089	GSA 71	751124	AGRIGENETICS CORPORATION	(3)
		NAME OF OWNER CHANGED FROM TEXAS BANK FOR COOPERATIVES TO AGRIGENETICS CORPORATION.			
	* 7605007	GSA 75	770318	AGRIGENETICS CORPORATION	(3)
		NAME OF OWNER CHANGED FROM TEXAS BANK FOR COOPERATIVES TO AGRIGENETICS CORPORATION.			

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() NO. OF GENERATIONS OF CERTIFIED SEED PERMITTED BEYOND BREEDER'S SEED

CERTIFICATES AMENDED (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	CERT. NO.	VARIETY	ISSUE DATE	NAME OF OWNER	
COTTON	* 7900071	GSA 74	800424	AGRIGENETICS CORPORATION	(3)
		NAME OF OWNER CHANGED FROM TEXAS BANK FOR COOPERATIVES TO AGRIGENETICS CORPORATION.			
	* 7900072	GSA 78	800619	AGRIGENETICS CORPORATION	(3)
		NAME OF OWNER CHANGED FROM TEXAS BANK FOR COOPERATIVES TO AGRIGENETICS CORPORATION.			

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1982 TO MARCH 31, 1982

CLAIMS OF THE APPLICANT REGARDING ELIGIBILITY FOR PLANT VARIETY PROTECTION AND NOVELTY AS STATED BELOW HAVE BEEN SUBSTANTIATED FOR THE FOLLOWING VARIETIES. AND CERTIFICATES OF PLANT VARIETY PROTECTION HAVE BEEN ISSUED. SEED OF THESE VARIETIES MAY BE LABELED AS FOLLOWS: "UNAUTHORIZED PROPAGATION PROHIBITED - U.S. PROTECTED VARIETY."

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
ALFALFA	7600022	ATLAS	820311	NORTH AMERICAN PLANT BREEDERS
'ATLAS' IS MOST SIMILAR TO 'OLYMPIC'; HOWEVER, 'ATLAS' HAS RESISTANCE TO RACE 2 OF ANTHRACNOSE, WHEREAS 'OLYMPIC' IS SUSCEPTIBLE TO RACE 2.				
	* 7900023	MAGNUM	820114	DAIRYLAND SEED CO., INC.
'MAGNUM' IS MOST SIMILAR TO 'SARANAC' AND 'SARANAC AR'; HOWEVER, 'MAGNUM' HAS RESISTANCE TO PEA APHIDS AND SPOTTED ALFALFA APHIDS, WHEREAS 'SARANAC' AND 'SARANAC AR' ARE SUSCEPTIBLE TO PEA APHIDS AND SPOTTED ALFALFA APHIDS.				
	8000037	ANSWER	820218	NORTH AMERICAN PLANT BREEDERS
'ANSWER' MOST CLOSELY RESEMBLES 'APOLLO'; HOWEVER, 'ANSWER' CLEARLY DIFFERS FROM 'APOLLO' BY HAVING HIGH RESISTANCE TO PHYTOPHTHORA ROOT ROT.				

(2)

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
ALFALFA	8000038	TRIDENT	820311	NORTH AMERICAN PLANT BREEDERS
'TRIDENT' MOST CLOSELY RESEMBLES 'APOLLO'; HOWEVER, 'TRIDENT' CLEARLY DIFFERS FROM 'APOLLO' BY HAVING HIGH RESISTANCE TO PHYTOPHTHORA ROOT ROT. FURTHERMORE, 'TRIDENT' HAS LESS WINTERHARDINESS AND LESS RESISTANCE TO BIOTYPE H OF THE SPOTTED ALFALFA APHID THAN 'APOLLO'				
	8200036	BARON	820311	NORTH AMERICAN PLANT BREEDERS
'BARON' MOST CLOSELY RESEMBLES 'CALIVERDE 65'; HOWEVER, 'BARON' IS RESISTANT TO BLUE ALFALFA APHID, WHEREAS 'CALIVERDE 65' IS SUSCEPTIBLE.				
BEAN, FIELD	* 8100104	MIDNIGHT	820311	CORNELL UNIV. AGRIC. EXPT. STA. (2)
'MIDNIGHT' IS MOST SIMILAR TO 'BLACK TURTLE SOUP T-39'; HOWEVER, MATURE PLANT HABIT IN 'MIDNIGHT' IS AN ERECT BUSH WITHOUT LONG RUNNERS, WHEREAS IN 'BLACK TURTLE SOUP T-39' THE MATURE PLANT HABIT IS A SEMI-VINE WITH LONG SPREADING RUNNERS.				
BEAN, GARDEN	7900038	BLUE DUET	820114	MORAN SEEDS, INC.
'BLUE DUET' IS MOST SIMILAR TO 'GREEN ISLE'; HOWEVER, PODS OF 'BLUE DUET' ARE DARKER GREEN (ROYAL HORTICULTURAL COLOUR CHART 141C) THAN ARE PODS OF 'GREEN ISLE' (R.H.S. 141D) AND LEAVES OF 'BLUE DUET' ARE YELLOW GREEN (R.H.S. 135B), WHEREAS LEAVES OF 'GREEN ISLE' ARE DARK GREEN (R.H.S. 135A).				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO	VARIETY	ISSUE DATE	OWNER
BEAN, GARDEN	8000123 FLO	8000123 FLO	820218	ASGROW SEED CO.
<p>'FLO' IS MOST SIMILAR TO 'EAGLE', 'CASCADE', 'EARLY GALLATIN' AND 'EARLYBIRD'; HOWEVER, 'FLO' IS RESISTANT TO ANTHRACNOSE RACES ALPHA, BETA, GAMMA, DELTA, AND LAMBDA, WHEREAS 'EAGLE', 'CASCADE', AND 'EARLY GALLATIN' ARE SUSCEPTIBLE TO THE LAMBDA AND ONE OR MORE OF THE OTHER RACES OF ANTHRACNOSE. 'FLO' DIFFERS FROM 'EARLYBIRD' IN THAT PODS OF 'FLO' ARE ABOUT 3 CM LONGER THAN PODS OF 'EARLYBIRD'; ALSO, TERMINAL LEAFLETS OF TRIFOLIOLATE LEAVES ARE 3 CM LONGER IN 'FLO' THAN IN 'EARLYBIRD'.</p>				
CLOVER, WHITE	* 8100173 STAR	820218 IDAHO AGRIC. EXPT. STA.		(2)
<p>'STAR' MOST CLOSELY RESEMBLES 'LOUISIANA S-1'; HOWEVER, 'STAR' IS TALLER THAN 'LOUISIANA S-1' (26 VS 15 CM), AND 'STAR' HAS A GREATER NUMBER OF FLOWERING HEADS PER PLANT AT 50% FLOWERING THAN 'LOUISIANA S-1' (184 VS 83 IN THE SECOND YEAR).</p>				
COTTON	* 7600042 RILCOT 90-A	820311 RILCOT SEED CO.		(3)
<p>'RILCOT 90-A' MOST NEARLY RESEMBLES 'RILCOT 90'; HOWEVER, 'RILCOT 90-A' HAS A .25-.30 HIGHER MICRONAIRE.</p>				
PEA, GARDEN	8100110 EARLY SWEET #9	820311 GALLATIN VALLEY SEED CO.		
<p>'EARLY SWEET #9' IS MOST SIMILAR TO 'EARLY SWEET #7'; HOWEVER, 'EARLY SWEET #9' HAS A CRYPTO-DWARF VINE, WHILE 'EARLY SWEET #7' HAS A STANDARD DWARF TYPE VINE. CRYPTO-DWARFS HAVE LONGER INTERNODES IN THE JUVENILE STAGES OF GROWTH THAN STANDARD DWARFS. 'EARLY SWEET #9' VINE LENGTH TO FIRST FLOWERING NODE IS 25 CM, WHILE 'EARLY SWEET #7' IS 15 CM.</p>				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
RYEGRASS, PERENNIAL	7900050	BLAZER	820311	PICKSEED WEST, INC.
'BLAZER' MOST CLOSELY RESEMBLES 'YORKTOWN II'; HOWEVER, 'BLAZER' HAS A MATURE PLANT HEIGHT WHICH IS 5.4 CM TALLER THAN 'YORKTOWN II', AND PRODUCES 2.1 MORE FLORETS PER SPIKELET THAN 'YORKTOWN II'				
	7900051	DASHER	820311	PICKSEED WEST, INC.
'DASHER' MOST CLOSELY RESEMBLES 'PENNFINE'; HOWEVER, 'DASHER' IS 8 DAYS LATER IN DATE OF ANTHESIS AND 3.9 CM SHORTER IN MATURE PLANT HEIGHT.				
	7900052	FIESTA	820311	PICKSEED WEST, INC.
'FIESTA' MOST CLOSELY RESEMBLES 'DERBY'; HOWEVER, 'FIESTA' IS 6 DAYS LATER IN DATE OF ANTHESIS AND 4.5 CM SHORTER IN MATURE PLANT HEIGHT.				
	* 8000019	BIANCA	820311	VAN DER HAVE B. V., NETH.
'BIANCA' IS MOST SIMILAR TO 'MANHATTAN'; HOWEVER, 'BIANCA' MATURES 5 DAYS EARLIER THAN 'MANHATTAN' IN THE NETHERLANDS.				

(3)

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
RYEGRASS, PERENNIAL	8100018	ELKA	820218	CEBECO-HANDELSRAAD, NETH.
'ELKA' MOST CLOSELY RESEMBLES 'MANHATTAN'; HOWEVER, 'ELKA' IS MORE PROSTRATE IN GROWTH HABIT AND 9 DAYS LATER IN HEADING THAN 'MANHATTAN'				
SOYBEAN	8100006	AP 350	820218	NORTH AMERICAN PLANT BREEDERS
'AP 350' IS MOST SIMILAR TO 'CUTLER' AND 'CUTLER 71'; HOWEVER, 'AP 350' HAS IMPERFECT BLACK HILA AND GRAY PUBESCENCE, WHEREAS 'CUTLER' AND 'CUTLER 71' HAVE BLACK HILA AND BROWN PUBESCENCE.				
	8100008	HS 235	820218	NORTH AMERICAN PLANT BREEDERS
'HS 235' IS MOST SIMILAR TO 'BEESON'; HOWEVER, 'HS 235' HAS A BUFF HILUM WHEREAS 'BEESON' HAS AN IMPERFECT BLACK HILUM.				
	* 8100089	AP 55	820218	NORTH AMERICAN PLANT BREEDERS (3)
'AP 55' IS MOST SIMILAR TO 'DELTAPINE 345'; HOWEVER, 'AP 55' MATURES 2 TO 7 DAYS EARLIER THAN 'DELTAPINE 345'.				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
SOYBEAN	8100092	J-112	820114	JACQUES SEED CO.
'J-112' MOST CLOSELY RESEMBLES 'WILLIAMS'; HOWEVER, 'J-112' PLANTS ARE 13 CM TALLER THAN THOS OF 'WILLIAMS' AND 'J-112' IS RESISTANT TO RACE 1, PHYTOPHTHORA MEGASPERMA SOJAE, WHEREAS 'WILLIAMS' IS SUSCEPTIBLE.				
	8100149	DELTAPINE 506	820114	DELTA AND PINE LAND CO.
'DELTAPINE 506' IS MOST SIMILAR TO 'BRAGG'; HOWEVER, 'DELTAPINE 506' IS RESISTANT TO PHYTOPHT MEGASPERMA RACES 1 AND 2, WHEREAS 'BRAGG' IS SUSCEPTIBLE.				
	8100151	DELTAPINE 105	820114	DELTA AND PINE LAND CO.
'DELTAPINE 105' IS MOST SIMILAR TO 'DARE'; HOWEVER, 'DELTAPINE 105' HAS PURPLE FLOWERS, DULL SEED COAT, AND IMPERFECT BLACK HILA, WHEREAS 'DARE' HAS WHITE FLOWERS, SHINY SEED COAT, AND BUFF HILA.				
	* 8100152	SRF 101	820114	SOYBEAN RESEARCH FOUNDATION, INC.
'SRF 101' IS MOST SIMILAR TO 'SRF 150'; HOWEVER, 'SRF 101' MATURES 6 DAYS EARLIER THAN 'SRF 1				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
SOYBEAN	* 8100162	PIXIE	820311	OHIO AGRIC. RES. DEV. CENTER (3)
'PIXIE' IS MOST SIMILAR TO 'ELF'; HOWEVER, 'PIXIE' MATURES 4-5 DAYS LATER THAN 'ELF'				
	* 8100163	SPRITE	820311	OHIO AGRIC. RES. DEV. CENTER (3)
'SPRITE IS MOST SIMILAR TO 'ELF'; HOWEVER, 'SPRITE' HAS WHITE FLOWERS, WHEREAS 'ELF' HAS PURPLE FLOWERS AND 'SPRITE' MATURES 4 DAYS EARLIER THAN 'ELF'.				
TOBACCO	* 8100048	COKER 51	820218	COKER'S PEDIGREED SEED CO.
'COKER 51' MOST CLOSELY RESEMBLES 'COKER 86'; HOWEVER, 'COKER 51' EXHIBITS A SMOOTH LEAF SURFACE SIMILAR TO 'COKER 347', WHEREAS THE LEAF SURFACE OF 'COKER 86' IS PUCKERED SIMILAR TO 'COKER 48'.				
WHEAT, COMMON	8000106	812	820218	NORTHROP KING CO.
'812' MOST CLOSELY RESEMBLES 'TAM 106'; HOWEVER, '812' IS RESISTANT TO SOIL-BORNE MOSAIC VIRUS, WHEREAS 'TAM 106' IS SUSCEPTIBLE TO SOIL-BORNE MOSAIC VIRUS.				
	8000142	PL145	820114	PIONEER HI-BRED INTERNATIONAL, INC.
'PL145' IS MOST SIMILAR TO 'NEWTON'; HOWEVER, 'PL145' HAS BROWN GLUMES AND AWNS, WHEREAS 'NEWTON' HAS WHITE GLUMES AND AWNS.				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER	
WHEAT, COMMON	* 8000144	SOUTHERN BELLE	820114	COKER'S PEDIGREED SEED CO.	(3)
		'SOUTHERN BELLE' MOST CLOSELY RESEMBLES 'COKE 68-15'; HOWEVER, 'SOUTHERN BELLE' IS 10 CM SHORTER (81 VS 91 CM) AND 4 DAYS EARLIER HEADING THAN 'COKE 68-15'.			
	* 8000164	AUGUSTA	820114	MICHIGAN STATE UNIVERSITY	(2)
		'AUGUSTA' MOST CLOSELY RESEMBLES 'YORKSTAR' AND 'FRANKENMUTH'; HOWEVER, 'AUGUSTA' HAS WHITE GLUMES, WHEREAS 'YORKSTAR' AND 'FRANKENMUTH' HAVE BROWN GLUMES.			
	* 8000165	FRANKENMUTH	820114	MICHIGAN STATE UNIVERSITY	(2)
		'FRANKENMUTH' MOST CLOSELY RESEMBLES 'YORKSTAR'; HOWEVER, 'FRANKENMUTH' IS RESISTANT TO RACES. A AND C OF HESSIAN FLY, WHEREAS 'YORKSTAR' IS SUSCEPTIBLE TO RACES A AND C OF HESSIAN FLY.			
	* 8100004	PR2360	820114	PIONEER HI-BRED INTERNATIONAL, INC.	(3)
		'PR2360' MOST CLOSELY RESEMBLES 'ERA'; HOWEVER, 'PR2360' IS THREE DAYS EARLIER AT HEADING THAN 'ERA'.			

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
WHEAT, COMMON	* 8100010	TUT	820114	LEO LINDEN SCHRAEDER
				(3)
'TUT' IS MOST SIMILAR TO 'SAGE'; HOWEVER, 'TUT' IS RESISTANT TO SOIL-BORNE MOSAIC VIRUS, WHEREAS 'SAGE' IS SUSCEPTIBLE TO SOIL-BORNE MOSAIC.				
8100014 771				
820218 NORTHROP KING CO.				
'771' IS MOST SIMILAR TO 'PROBRED'; HOWEVER, '771' HAS A BROWN PHENOL REACTION, WHEREAS THE PHENOL REACTION OF 'PROBRED' IS BLACK, AND '771' IS 2 TO 3 DAYS LATER HEADING THAN 'PROBRED'.				
	* 8100073	BRAWNY	820114	SEED RESEARCH INC.
				(3)
'BRAWNY' MOST CLOSELY RESEMBLES '5221'; HOWEVER, 'BRAWNY' HAS BROWN GLUMES, WHEREAS THE GLUMES OF '5221' ARE WHITE.				
	* 8100074	CITATION	820114	SEED RESEARCH INC.
				(3)
'CITATION' IS MOST SIMILAR TO '4555'; HOWEVER, 'CITATION' HAS STRAP-SHAPED HEADS AND NARROW GLUMES WITH ELEVATED SHOULDERS, WHEREAS '4555' HAS TAPERING HEADS AND WIDE GLUMES WITH OBLIQUE SHOULDERS.				

*TO BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED
() NO. OF GENERATIONS OF CERTIFIED SEED PERMITTED BEYOND BREEDER'S SEED

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER	
WHEAT, COMMON	* 8100075	ENCORE	820114	SEED RESEARCH INC.	(3)
'ENCORE' IS MOST SIMILAR TO 'TRIUMPH 64': HOWEVER, 'ENCORE' IS 10 CM SHORTER THAN 'TRIUMPH 64' (88 VS 98 CM) AND 'ENCORE' HAS BROWN GLUMES, WHEREAS THE GLUMES OF 'TRIUMPH 64' ARE WHITISH YELLOW.					
	* 8100144	ARCHER	820114	NORTH AMERICAN PLANT BREEDERS	(3)
'ARCHER' IS MOST SIMILAR TO 'VONA': HOWEVER, 'ARCHER' IS 4 DAYS LATER HEADING THAN 'VONA', AND 'ARCHER' IS RESISTANT TO SOIL-BORNE MOSAIC VIRUS, WHEREAS 'VONA' IS SUSCEPTIBLE TO SOIL-BORNE MOSAIC VIRUS.					
	* 8100153	DUKE	820311	COLORADO STATE UNIVERSITY	(3)
'DUKE' IS MOST SIMILAR TO 'SANDY' AND 'CENTURK'; HOWEVER, 'DUKE' IS 1 TO 3 DAYS EARLIER IN HEADING THAN 'CENTURK' AND 'DUKE' HAS A BROWN-BLACK PHENOL REACTION, WHEREAS THE PHENOL REACTION OF 'SANDY' IS BROWN.					
	* 8100154	SANDY	820311	COLORADO STATE UNIVERSITY	(3)
'SANDY' IS MOST SIMILAR TO 'DUKE' AND 'CENTURK'; HOWEVER, 'SANDY' HAS A LAX HEAD, WHEREAS THE HEADS OF 'DUKE' AND 'CENTURK' ARE DENSE, AND 'SANDY' SHOWS A BROWN PHENOL REACTION, WHEREAS THE PHENOL REACTION OF 'DUKE' IS BLACK.					

*TO BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED
() NO. OF GENERATIONS OF CERTIFIED SEED PERMITTED BEYOND BREEDER'S SEED

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
WHEAT, COMMON	* 8100169	HAWK	820218	NORTH AMERICAN PLANT BREEDERS

'HAWK' IS MOST SIMILAR TO 'NEWTON'; HOWEVER, 'HAWK' HAS WIDE GLUMES. WHEREAS THE GLUMES OF 'NEWTON' ARE NARROW, AND 'HAWK' HAS A LONGER BEAK (7.9 VS 5.5 MM) THAN 'NEWTON'

*TO BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED
() NO. OF GENERATIONS OF CERTIFIED SEED PERMITTED BEYOND BREEDER'S SEED

DESCRIPTION OF PUBLIC VARIETIES

In accordance with section 180.800 of the Plant Variety Protection Act, descriptions of "public varieties" voluntarily submitted on PVP objective description forms will be accepted for publication in the Official Journal. Publication of such descriptions in no way constitutes recognition of the variety as novel or entitles it to protection under the Plant Variety Protection Act.

The following are descriptions of 10 field beans developed and released over the past several years by the U.S. Department of Agriculture, Mayaguez Institute of Tropical Agriculture, P.O. Box 70, Mayaguez, Puerto Rico 00709. These varieties or lines were developed by Dr. George F. Freytag and his associates at the Agricultural Experiment Station, University of Puerto Rico. Requests for seed samples and further information should be directed to Dr. Freytag.

CROP: FIELD BEAN (*Phaseolus vulgaris* L.)

VARIETY: XR-235-1-1

TYPE: White Bean

ORIGIN AND PEDIGREE: *Phaseolus vulgaris* Sel. 6-19 from (Guat. 14-2 x 'Remus' x *P. coccineus*, Sel. Pc-H-46-1BK from P.I. 273667 (Ethiopia) → F₂-single plant sel. → F₃-single plant sel. → F₄-single plant sel. → F₅-single plant sel. → F₆-released

DESCRIPTION: Plants indeterminate Type II, 50 cm. mean height (20 cm. shorter than 'Black Turtle Soup'), with a stout stalk and compact branching; pods scattered on a rounded plant. Anthocyanin absent in plant and pods. Leaves small, somewhat elongate with acuminate tips, medium dull green, with very pubescent surface. Flowers white. Fresh pods medium green, dry pods light tan/straw. Seed oval to oblong with rounded ends, cream to white with narrow yellow to orange hilar ring, shiny; 29g per 100 seed. Susceptible to powdery mildew (*Erysiphe polygoni*) and bean rust. Tolerant of angular leaf spot (*Isariopsis griseola*). Resistant to *Fusarium* and *Macrophomina* root rots, *Xanthomonas* common blight and fuscous blight, and to systemic bean common mosaic virus (BCMV), but susceptible to the necrotic reaction. Tolerant of aphids, leaf hopper, *Lygus*, and root knot nematode. Resistant to pod borer. Days to seed harvest 85 (10 days earlier than 'Black Turtle Soup').

COMMENTS: Source of resistance to *Xanthomonas* blights and root rots, this derived from *P. coccineus* via interspecific cross.

VARIETY: W-117

TYPE: White Bean

ORIGIN AND PEDIGREE: Bonita x Line 15R-55 → F₂-single plant sel. → F₄-single plant sel. → (rogued) → F₆-released

DESCRIPTION: Plants indeterminate Type II, 70 cm. mean height, with a stout stalk and compact branching; pods scattered on an upright plant. Anthocyanin absent in plants and pods. Leaves medium sized, medium dull green with smooth surface. Flowers white. Fresh pods light yellow, dry pods light tan or nearly white. Seed oval to oblong with rounded ends, white, shiny; 21 g per 100 seed. Susceptible but somewhat tolerant to *Xanthomonas* blights. Also tolerant to bean rust (*Uromyces phaseoli*), *Fusarium* and *Rhizoctonia* root rots, and angular leaf spot. Resistant to cowpea mosaic virus (CPMV) and to systemic infection by BCMV, but susceptible to the necrotic reaction. Has tolerance of aphids, leaf hopper, *Lygus*, and root knot nematodes. Resistant to pod borer. Days to first flowering 35; days to seed harvest 80 (14 days earlier than 'Black Turtle Soup').

VARIETY: MITA-6383 (=M1)

TYPE: White Bean

ORIGIN AND PEDIGREE: Selection from P.I. 151395 (*Phaseolus vulgaris*) from Colombia

DESCRIPTION: Plants indeterminate Type II, 50 cm. mean height (20 cm. shorter than 'Black Turtle Soup'), with a stout stalk and compact branching; pods scattered on a rather broad plant. Anthocyanin absent in plants and pods. Leaves medium sized, medium dull green, with smooth surface. Flowers white. Fresh pods light yellow; dry pods light tan or nearly white. Seed oblong to slightly kidney-shaped with rounded ends, white, shiny; 19 g per 100 seed. Susceptible but somewhat tolerant of *Xanthomonas* common and fuscous blights. Tolerant of powdery mildew, angular leaf spot, *Fusarium* and *Rhizoctonia* root rots. Resistant to CPMV and all Puerto Rican races of bean rust. Resistant to systemic BCMV, but susceptible to the necrotic reaction. Has tolerance of aphids, leaf hopper, *Lygus*, and root knot nematode. Resistant to pod borer. Days to first flowering 40; days to seed harvest 95.

VARIETY: 2W-33-2

TYPE: White Bean

ORIGIN AND PEDIGREE: (Bonita x La Vega) X Bonita → F₂-single plant sel. → (rogued) → F₆-released.

DESCRIPTION: Plants indeterminate Type II, 60 cm. mean height (10 cm. shorter than 'Black Turtle Soup'), with a stout stalk and compact branching; pods scattered on a roundish plant. Anthocyanin absent in plants, pods, and seeds. Leaves medium sized, medium dull green with smooth surface. Flowers white. Fresh pods light yellow; dry pods light tan to nearly white. Seed oval to oblong with rounded ends, white, shiny; 23 g per 100 seed. Susceptible but somewhat tolerant of *Xanthomonas* blights. Resistant to bean rust, *Fusarium* and *Rhizoctonia* root rots, and angular leaf spot. Resistant to CPMV and powdery mildew. Resistant to BCMV systemic infection, but susceptible to the necrotic reaction. Tolerant of aphids, leaf hopper, *Lygus*, and root knot nematode. Resistant to pod borer. Days to first flowering 35; days to seed harvest 80.

VARIETY: 2B-5-1

TYPE: Black Bean

ORIGIN AND PEDIGREE: (La Vega x 15R-55) x (MEX309 x La Vega) → F₂-single plant sel. → (rogued) → F₆-released

DESCRIPTION: Plants indeterminate Type II, 60 cm. mean height (10 cm. shorter than 'Black Turtle Soup'), with a stout stalk and compact branching; pods scattered on an upright plant. Anthocyanin present in stems, flowers, and seeds. Leaves medium sized, medium dull green with smooth surface. Flowers purple. Fresh pods medium green; dry pods light tan or nearly white. Seed oval to oblong with rounded ends, dull black; 24 g per 100 seed. Susceptible to *Xanthomonas* common and fuscous blights. Tolerant of bean rust, *Fusarium* and *Rhizoctonia* root rots. Resistant to CPMV, angular leaf spot, and powdery mildew. Resistant to systemic BCMV but susceptible to the necrotic reaction. Tolerant of aphids, leaf hopper, *Lygus*, and root knot nematode. Resistant to pod borer. Days to first flowering 35; days to seed harvest 94.

VARIETY: B-351

TYPE: Black Bean

ORIGIN AND PEDIGREE: Bonita x Jamapa → F₂-single plant sel. → F₄-single plant sel. → (rogued) → F₆-released

DESCRIPTION: Plants indeterminate Type II, 70 cm. mean height with a stout stalk and compact branching; pods scattered on an upright plant. Anthocyanin present in stems, flowers, and seeds. Leaves medium sized, medium dull green with smooth surface. Flowers

purple. Fresh pods medium green; dry pods light tan or nearly white. Seed oval to oblong with truncate ends, shiny black, 20 g per 100 seed. Susceptible to bean rust, *Xanthomonas* common and fuscous blights. Tolerant of angular leaf spot, *Fusarium* and *Rhizoctonia* root rots. Resistant to powdery mildew. Tolerant of systemic BCMV but susceptible to the necrotic reaction. Tolerant of aphids, leaf hopper, *Lygus*, and root knot nematode. Resistant to pod borer. Days to first flowering 35; days to seed harvest 83.

VARIETY: B-128

TYPE: Black Bean

ORIGIN AND PEDIGREE: 15R-55 x 50600 → F₂-single plant sel. → F₄-single plant sel. → (rogued) → F₆-released

DESCRIPTION: Plants indeterminate Type II, 70 cm. mean height with stout stalk and compact branching; pods scattered on upright plant. Anthocyanin present in stems, flowers and seeds. Leaves medium sized, medium dull green with a smooth surface. Flowers purple. Fresh pods medium green; dry pods light tan or nearly white. Seed oval to oblong with truncate ends, dull black, 20 g per 100 seed. Susceptible but somewhat tolerant to *Xanthomonas* blights. Tolerant of bean rust, angular leaf spot, *Fusarium* and *Rhizoctonia* root rots. Resistant to CPMV, powdery mildew. Resistant to systemic BCMV but susceptible to necrotic reaction. Tolerant of aphids, leaf hopper, *Lygus*, and root knot nematode. Resistant to pod borer. Days to first flowering 35; days to seed harvest 75.

VARIETY: B-190

TYPE: Black Bean

ORIGIN AND PEDIGREE: MEX309 x 50600 → F₂-single plant sel. → (rogued) → F₆-released

DESCRIPTION: Plants indeterminate Type II, 60 cm. mean height with stout stalk and open branching; pods scattered on a rather wide bush. Anthocyanin present in flowers, stems, and seeds. Leaves medium sized, medium dull green with a smooth surface. Flowers purple. Fresh pods medium green; dry pods light tan or nearly white. Seed oval to oblong with rounded ends, dull black; 24 g per 100 seed. Susceptible to *Xanthomonas* common and fuscous blights. Tolerant of angular leaf spot, *Fusarium* and *Rhizoctonia* root rots. Resistant to CPMV and powdery mildew. Immune or highly resistant to all tested races of bean rust except two minor races in North Dakota. Resistant to systemic BCMV but susceptible to the necrotic reaction. Tolerant of aphids, leaf hopper, *Lygus*, and root knot nematode. Resistant to pod borer. Days to first flowering 35; days to seed harvest 85.

VARIETY: MITA-76-R-287

TYPE: Black Bean

ORIGIN AND PEDIGREE: 15R-55 x MEX309 → (rogued) → F₄ → (increase) → F₆-released

DESCRIPTION: Plants indeterminate Type II, 50 cm. mean height (20 cm. shorter than 'Black Turtle Soup') with a stout stalk and compact branching; pods scattered on an upright plant. Anthocyanin present in stems, flowers and seeds. Leaves medium size, medium dull green with a smooth surface. Flowers purple. Fresh pods medium green; dry pods light tan or nearly white. Seed oval to oblong with rounded ends, dull black; 20 g per 100 seed. Susceptible to common and fuscous blights. Tolerant of angular leaf spot, bean rust, *Fusarium* and *Rhizoctonia* root rots. Resistant to CPMV and powdery mildew. Resistant to systemic BCMV but susceptible to the necrotic reaction. Tolerant of aphids, leaf hopper, *Lygus*, and root knot nematode. Resistant to pod borer. Days to first flowering 35; days to seed harvest 80.

VARIETY: W-142

TYPE: White Bean

ORIGIN AND PEDIGREE: Bonita x 50600 → F₂-single plant sel. → F₄-single plant sel. → (rogued) → F₆-released.

DESCRIPTION: Plants indeterminate Type II, 60 cm. mean height (10 cm. shorter than 'Black Turtle Soup') with a stout stalk and compact branching habit; pods scattered on a rounded plant. Anthocyanin absent in plant and pods. Leaves medium size, medium dull green with smooth surface. Flowers white. Seed oval to oblong with rounded ends, shiny white; 23 g per 100 seed. Susceptible but somewhat tolerant to *Xanthomonas* blights. Tolerant of bean rust, angular leaf spot, *Fusarium* and *Rhizoctonia* root rots. Resistant to powdery mildew and CPMV. Resistant to systemic BCMV but susceptible to the necrotic reaction. Tolerant of aphids, leaf hopper, *Lygus*, and root knot nematode. Resistant to pod borer. Days to first flowering 35; days to seed harvest 80.

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